

TDS Polyfort[™] PPH MT40 LE H2 Polypropylene Homopolymer

40% talc-filled PP-Homopolymerco				
General				
Material Status	Pendin	g Approval		
Availability	Africa & Middle East Latin America		Asia Pacific North America	Europe
Filler / Reinforcement	Talc, 40	0% Filler by Weight		
Features	Heat S [.] Low Fo	tabilized ogging	Low Emissions Low Odor	Homopolymer
Processing Method	Injectio	n Molding		
Resin ID (ISO 1043)	PP-H 40T LE			
Physical		Nominal Value (English)	Nominal Value (SI)	Test Method
		Nominal Value (English) 1.25 g/cm ³	Nominal Value (SI) 1.25g/cm ³	Test Method ISO 1183/A
Density)°C/2.16 kg)			ISO 1183/A
Density Melt Volume-Flow Rate (MVR) (230)°C/2.16 kg)	1.25 g/cm ³ 0.366 in ³ /10min	1.25g/cm ³ 6.00 cm ³ /10mir	ISO 1183/A
Density Melt Volume-Flow Rate (MVR) (230 Mechanical)°C/2.16 kg)	1.25 g/cm ³	1.25g/cm ³ 6.00 cm ³ /10mir	ISO 1183/A ISO 1133
Density Melt Volume-Flow Rate (MVR) (230 Mechanical Tensile Modulus)°C/2.16 kg)	1.25 g/cm ³ 0.366 in ³ /10min Nominal Value (English)	1.25g/cm ³ 6.00 cm ³ /10mir Nominal Value (SI)	ISO 1183/A ISO 1133 Test Method
Physical Density Melt Volume-Flow Rate (MVR) (230 Mechanical Tensile Modulus Tensile Stress (Break) Tensile Strain (Break))°C/2.16 kg)	1.25 g/cm ³ 0.366 in ³ /10min Nominal Value (English) 580000 psi	1.25g/cm ³ 6.00 cm ³ /10mir Nominal Value (SI) 4000 MPa	ISO 1183/A ISO 1133 Test Method ISO 527-2/1A/1
Density Melt Volume-Flow Rate (MVR) (230 Mechanical Tensile Modulus Tensile Stress (Break))°C/2.16 kg)	1.25 g/cm ³ 0.366 in ³ /10min Nominal Value (English) 580000 psi 4060 psi	1.25g/cm ³ 6.00 cm ³ /10mir Nominal Value (SI) 4000 MPa 28.0 MPa 3.4 %	ISO 1183/A ISO 1133 Test Method ISO 527-2/1A/1 ISO 527-2/1A/5

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Product

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0.86 ft·lb/in²

1.4 ft·lb/in²

1.8 kJ/m²

3.0 kJ/m²

-22°F (-30°C)

73°F (23°C)



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Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Unnotched Impact Strength			ISO 179/1eU
-22°F (-30°C)	5.2 ft·lb/in²	11 kJ/m ²	
73°F (23°C)	10 ft·lb/in ²	22 kJ/m²	

Thermal	Nominal Value (Englisl	n) Nominal Value (SI)	Test Method
Heat Deflection Temperature			
66 psi (0.45 MPa), Unannealed	266°F	130°C	ISO 75-2/Bf
264 psi (1.8 MPa), Unannealed	169°F	76°C	ISO 75-2/Af
Vicat Softening Temperature			
	311°F	155°C	ISO 306/A50
	194°F	90°C	ISO 306/B50

Nominal Value (English)	Nominal Value (SI)	Test Method
<3.9 in/min	<100 mm/min	ISO 3795
		UL 94 IEC 60695-11-10, -20
HB	HB	
HB	HB	
	<3.9 in/min	НВ НВ

Additional Information

1) Not for use in food contact applications

2) Not for use in medical or pharmaceutical applications

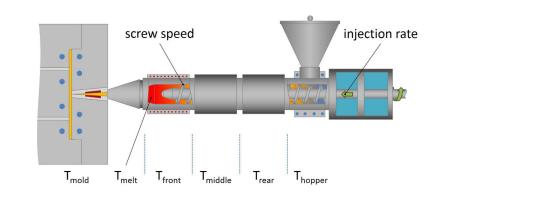
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Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176°F	80°C
Drying Time	2.0 to 3.0 hr	2.0 to 3.0 hr
Suggested Max Regrind	20%	20%
Processing (Melt) Temp	446 to 518°F	230 to 270°C
Mold Temperature	104 to 158°F	40 to 70°C

Injection Notes

*Drying normally not necessary

Low Emission grades are sensitive for shear-stress. Processing parameters determine the emission- and odor properties of the finished parts. Therefore moderate temperatures and moderate injection- and dozing rates are recommended.

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